Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/10/2016 11:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125040	0	2.59	124911	2.63
Blue	F	SSC	125000	123960	-1	5.18	124969	5.16
Blue	E	FITC	17224	16819	-3	3.52	949	8.99
Blue	D	PE	22462	21958	-3	3.11	988	8.26
Blue	B	PerCP-Cy5-5	63940	63453	-1	3.72	1678	13.01
Blue	A	PE-Cy7	72480	71926	-1	4.58	947	24.64
Red	C	APC	63778	63136	-2	2.57	3571	8.04
Red	A	APC-Cy7	97254	97404	0	2.66	1930	7.83
Violet	B	V450	10730	10418	-3	3.72	648	8.29
Violet	A	V500	42147	41533	-2	3.48	2350	6.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20040	3.60	586	-34	N/A	N/A	Pass
Blue	F	SSC	61689	4.23	509	-18	N/A	N/A	Pass
Blue	E	FITC	102	35.21	515	-24	0.0272	169	Pass
Blue	D	PE	203	25.18	510	-22	0.1902	190	Pass
Blue	B	PerCP-Cy5-5	204	37.99	599	-15	0.0118	0	Pass
Blue	A	PE-Cy7	70	97.04	652	-21	0.0152	9	Pass
Red	C	APC	333	25.87	578	-6	0.0216	1	Pass
Red	A	APC-Cy7	122	36.72	561	-4	0.0049	644	Pass
Violet	B	V450	68	40.90	450	-24	0.0425	1461	Pass
Violet	A	V500	153	20.53	479	-24	0.0135	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.29	0.79
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.28
Red	16.49	13.28 - 19.92	N/A	N/A	31.88	32.18	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9793

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments